AUTODOC CLUB

How to change rear brake pad wear sensor on **Mercedes W204** – replacement guide

VIDEO TUTORIAL

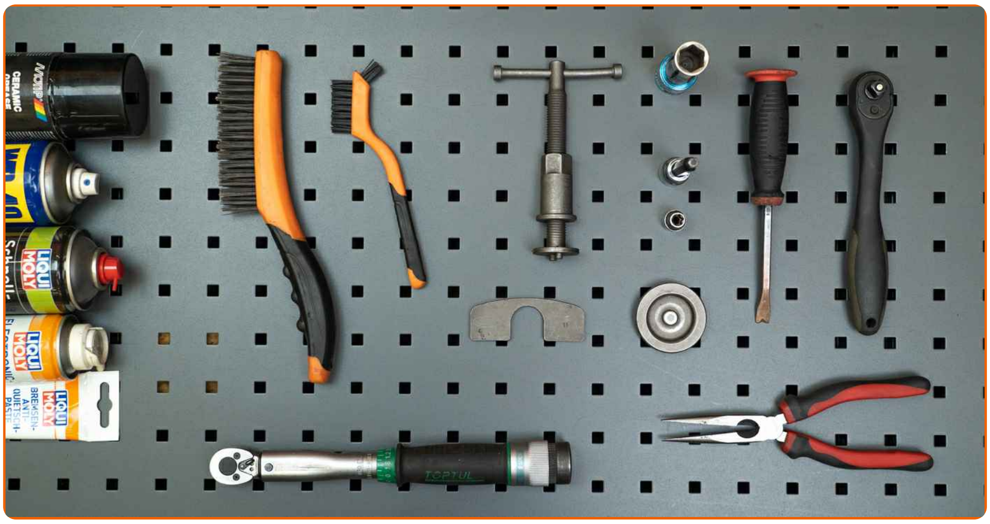


Important!

This replacement procedure can be used for:
MERCEDES-BENZ CLS Coupe (C218) CLS 350 (218.359), MERCEDES-BENZ CLS Coupe (C218) CLS 250 CDI / BlueTEC / d (218.303, 218.304), MERCEDES-BENZ CLS Coupe (C218) CLS 350 CDI (218.323), MERCEDES-BENZ S-Class Saloon (W221) S 400 Hybrid (221.095, 221.195), MERCEDES-BENZ C-Class T-modell (S204) C 250 CGI (204.247), MERCEDES-BENZ C-Class Saloon (W202) C 250 Turbo-D (202.128), MERCEDES-BENZ C-Class T-modell (S202) C 250 T Turbo-D (202.188), MERCEDES-BENZ C-Class T-modell (S203) C 220 CDI (203.208), MERCEDES-BENZ ML-Class (W166) ML 500 4-matic (166.073), MERCEDES-BENZ CLS Coupe (C218) CLS 500 (218.373), MERCEDES-BENZ C-Class Saloon (W204) C 200 CDI (204.001), MERCEDES-BENZ C-Class Saloon (W204) C 250 CDI 4-matic (204.082), MERCEDES-BENZ C-Class Saloon (W204) C 300 CDI 4-matic (204.092), MERCEDES-BENZ C-Class Saloon (W204) C 350 (204.057), MERCEDES-BENZ C-Class Saloon (W204) C 350 4-matic (204.088), (+ 525)

The steps may slightly vary depending on the car design.

REPLACEMENT: BRAKE PAD WEAR SENSOR – MERCEDES W204. TOOLS YOU NEED:



- Wire brush
- Nylon cleaning brush
- WD-40 spray
- Electronic spray
- Brake cleaner
- Anti-squeal paste
- Ceramic grease
- Torque wrench
- Torx bit E10
- HEX bit no.H7
- Wheel impact socket #17
- Ratchet wrench
- Long nose pliers
- Brake caliper wind back tool
- Crow bar
- Wheel chock

BUY TOOLS

Replacement: brake pad wear sensor – Mercedes W204. AUTODOC recommends:

- The replacement procedure is identical for both brake pad wear sensors on the same axle.
- The wear sensors should be replaced together with the brake pads.
- Please note: all work on the car – Mercedes W204 – should be done with the engine switched off.

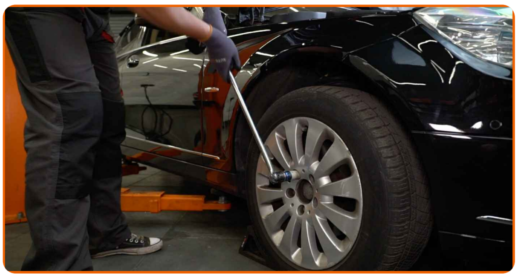
CARRY OUT REPLACEMENT IN THE FOLLOWING ORDER:

1 Open the bonnet. Unscrew the brake fluid reservoir cap.



2 Secure the wheels with chocks.

3 Loosen the wheel mounting bolts. Use wheel impact socket #17.



4

Raise the car.



Replacement: brake pad wear sensor – Mercedes W204. Tip from AUTODOC:

- If you are using a jack, make sure it rests on a flat surface without any unevenness.
- Be sure to additionally secure the car with jack stands.

5

Unscrew the wheel bolts.



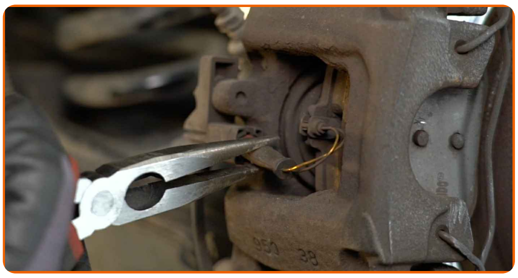
AUTODOC recommends:

- Warning! To avoid injury, hold the wheel while unscrewing the fastening bolts. Mercedes W204

6 Remove the wheel.



7 Detach the connector of the brake pad wear sensor. Use long nose pliers.



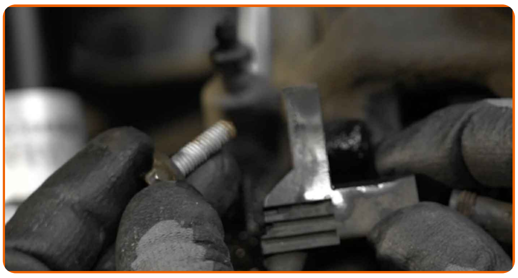
8 Clean the fasteners of the brake pad wear sensor wiring harness. Use a wire brush. Use WD-40 spray.



9 Unscrew the fasteners of the brake pad wear sensor wiring harness. Use Torx E10. Use a ratchet wrench.



10 Remove the fastening bolt.



11 Detach the brake pad wear sensor wiring harness.



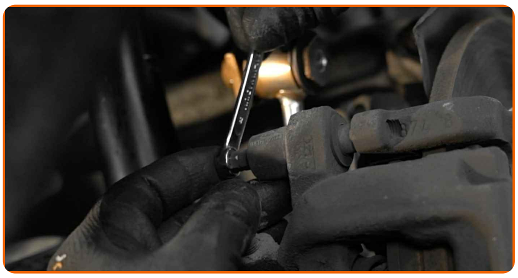
12 Detach the brake caliper retaining spring. Use a crowbar.



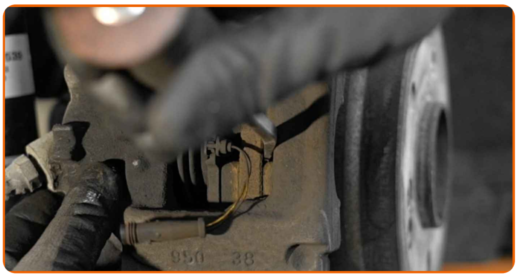
13 Remove the dust boot caps of the brake caliper guide pins. Use a crowbar.



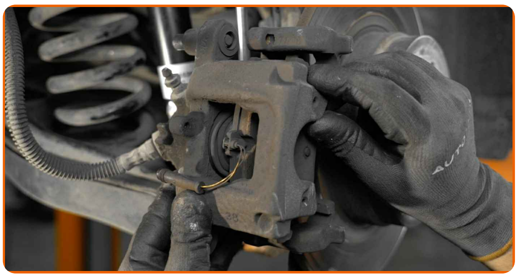
14 Unscrew the brake caliper fasteners. Use HEX No.H7. Use a ratchet wrench.



15 Spread the brake pads. Use a crowbar.



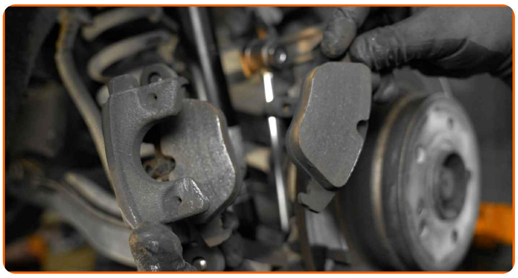
16 Remove the brake caliper.



Replacement: brake pad wear sensor – Mercedes W204. Tip:

- Tie the caliper to the suspension or to the body with a wire without disconnecting from the brake hose to prevent depressurization of the brake system.
- Make sure that the brake caliper is not hanging on the brake hose.
- Don't press the brake pedal after the brake caliper has been removed. As a result, the piston can fall out from the brake cylinder, and brake fluid leakage and depressurization of the system may occur.

17 Remove the brake pads.



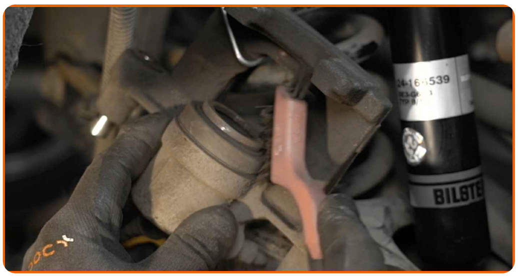
18 Clean the brake caliper bracket from dirt and dust. Use a wire brush. Use a brake cleaner.



AUTODOC recommends:

- After applying the spray, wait a few minutes.
- Check the brake caliper bracket, brake caliper guide pins and boots. Clean them. Replace, if necessary.

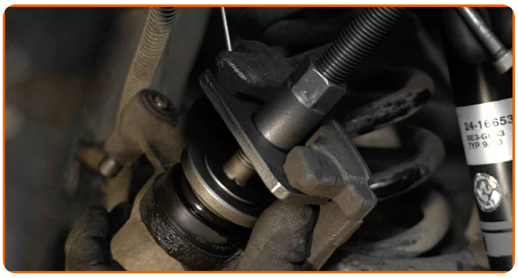
19 Treat the brake caliper piston. Use a nylon cleaning brush. Use a brake cleaner.



AUTODOC recommends:

- Replacement: brake pad wear sensor – Mercedes W204. After applying the spray, wait a few minutes.
- Check the brake caliper bracket, brake caliper guide pins and boots. Clean them. Replace, if necessary.

20 Press in the brake caliper piston. Use brake caliper wind back tool.



21 Attach the new wear sensor to the new pad.



22 Treat the brake pads in the area where their surface comes into contact with the brake caliper bracket. Use anti-squeal paste.



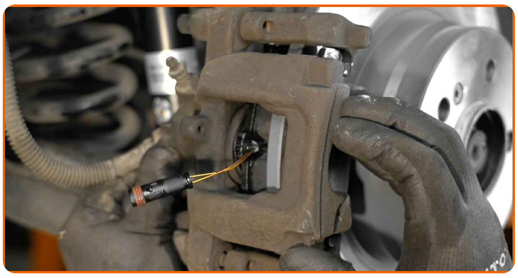
AUTODOC recommends:

- Make sure the disc surface is clean before installing the pads.

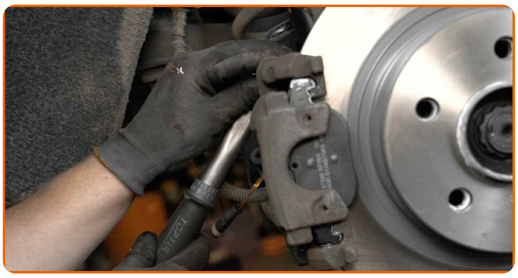
23 Install the brake pads.



24 Install the brake caliper and fix it.



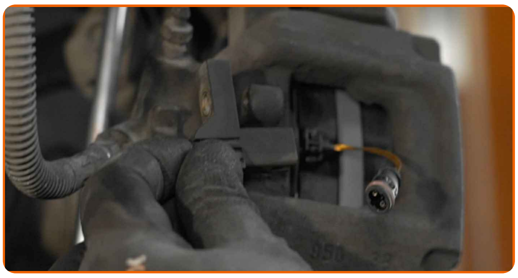
25 Tighten the brake caliper fasteners. Use HEX No.H7. Use a torque wrench. Tighten it to 25 Nm torque.



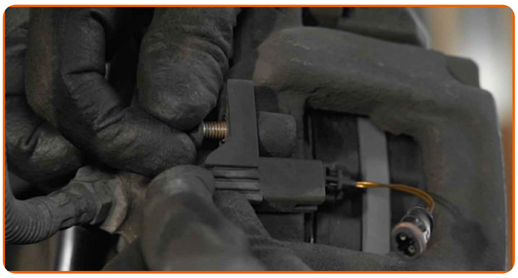
26 Install the dust boot caps of the brake caliper guide pins.



27 Attach the brake pad wear sensor wiring harness.



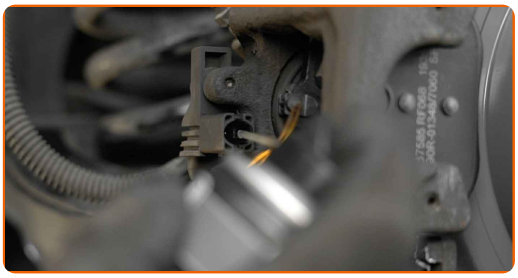
28 Install the fastening bolt.



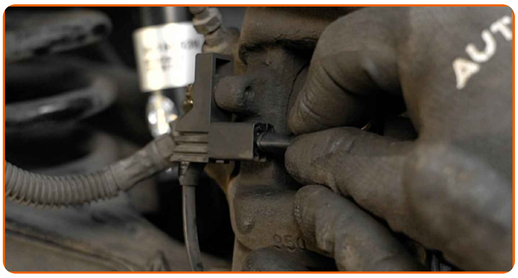
29 Tighten the fasteners of the brake pad wear sensor wiring harness. Use Torx E10. Use a torque wrench. Tighten it to 8 Nm torque.



30 Treat the brake pad wear sensor plug. Use dielectric grease.



31 Attach the connector of the brake pad wear sensor.



32 Install the brake caliper retaining spring.



33 Clean the wheel rim mounting seat. Use a wire brush.



34 Treat the surface where the brake disc contacts the wheel rim. Use ceramic grease.



35 Clean the brake disk surface. Use a brake cleaner.



AUTODOC recommends:

- After applying the spray, wait a few minutes.

36 Install the wheel.



AUTODOC recommends:

- Important! Hold the wheel while screwing in the fastening bolts. Mercedes W204

37 Screw in the wheel bolts. Use wheel impact socket #17.



38 Lower the car and working in a cross order, tighten the wheel bolts. Use wheel impact socket #17. Use a torque wrench. Tighten it to 130 Nm torque.



39 Remove the jacks and chocks.

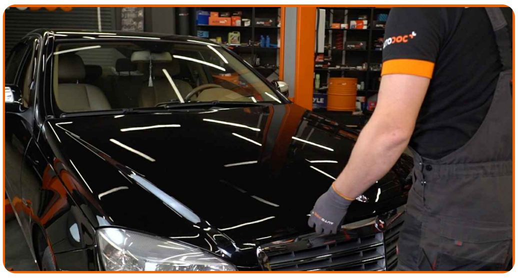


AUTODOC recommends:

- Without starting the engine, press the brake pedal several times until you feel significant resistance.
- Check the brake fluid level in the expansion tank and refill if necessary.

40

Tighten the brake fluid reservoir cap. Close the hood.

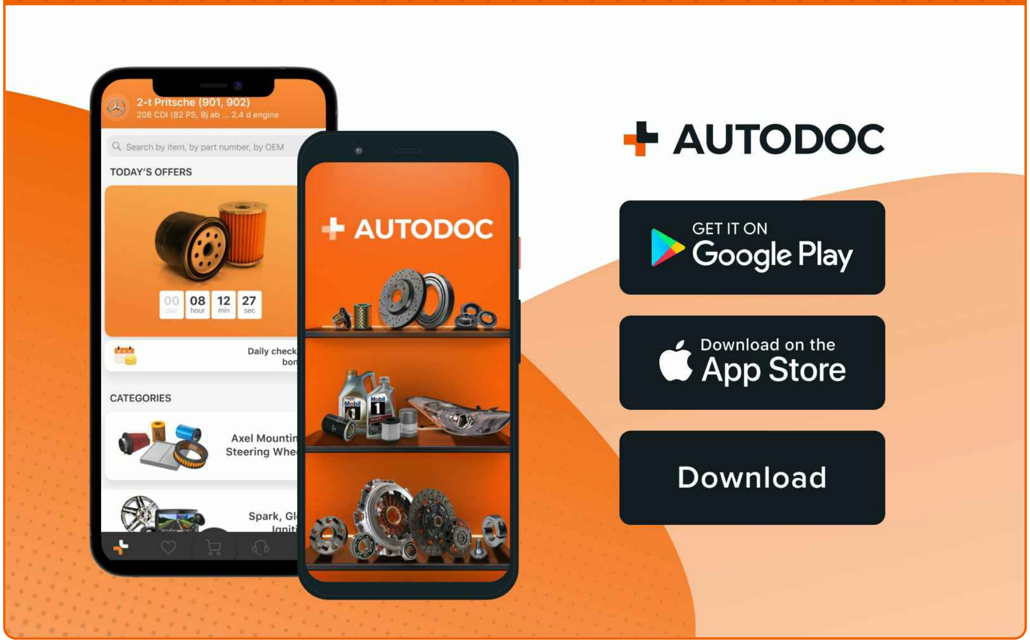


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